Especially, in accordance with the invention of Claim 13, the printer of low processing capability can be available because the composition minimizes the amount of the information to be updated, making a processing burden mitigated.

In accordance with the inventions of Claims 14 to 20, a printing controller, which enables a simple and low-cost printer to print the status information, can be offered.

In accordance with the inventions of Claims 21 to 27, a status information printing method, which enables a simple and low-cost printer to print the status information, can be offered.

In accordance with the invention of Claim 28, a status information printing system, which enables a simple and low-cost printer to print the status information, can be offered.

CLAIMS

1. A medium having a status information printing program recorded thereon to be run on a host computer in order for a printer to print status information, the host computer and the printer being connected for two-way communication, the medium being characterized by causing the host computer to realize:

an output initiation instruction monitor function for monitoring the output initiation instruction for the status information that the printer outputs through the two-way communication;

a status information acquisition function on the host side for acquiring status information data from the printer through the two-way communication;

a printing data generation function for generating printing data to be printed by the printer based on the status information data acquired by the status information acquisition function on the host side when the output initiation instruction is recognized by the output initiation instruction monitor function; and

a printing data output function for outputting to the printer through the two-way communication the printing data generated by the printing data generation function.

2. The medium according to Claim 1, characterized in that the printing data generated by the printing data generation function is dot image data.

3. The medium according to Claims 1 or 2, characterized by:

it constituting part of the status information data in the printer whether the output initiation instruction exists or not; and

the output initiation instruction monitor function monitoring whether the output initiation instruction is contained in the status information data acquired by the status information acquisition function on the host side.

4. The medium according to Claims 1 or 2, characterized by:

the output initiation instruction being a trigger transmitted from the printer through the two-way communication; and

the output initiation instruction monitor function judging whether the trigger is received.

5. The medium according to any of Claims 1 - 4, characterized by:

the status information acquisition function analyzing the status of the printer based on the acquired status information